

Docket No. **DAE-0010**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission 81

TO THE COMMISSIONER FOR PATENTS

Mail Stop Pat Int Application P.O. Box 1450 Alexandria, VA 22313-1450

invention entitled: FREQUENCY CONVERTER USING MULTI-PHASE MIXER						
			.s			
<u> </u>			79/			
	vented by	The state of the s	10/			
	9					
If a C	ONTINU	ATION APPLICATION, check appropriate box and supply the requisite information	on:			
	Continua	ation Divisional Continuation-in-part (CIP) of prior application N	lo.:			
Whic	n is a:					
	Continua	ation Divisional Continuation-in-part (CIP) of prior application N	lo.:			
	h is a: C ontinua	ation Divisional Continuation-in-part (CIP) of prior application N	lo ·			
		ation a bivisional a continuation-in-part (oil) of prior application in				
Enclo	sed are:	Application Elements				
1.	⊘ 1 ⊏ :::	ing fee as calculated and transmitted as described below				
1.		ing fee as calculated and transmitted as described below				
2.	⊠ Sp	pages and including the following:				
	a. 🛚	Descriptive Title of the Invention				
	b. 🗀	Cross References to Related Applications (if applicable)				
	c. 🗆	Statement Regarding Federally-sponsored Research/Development (if applicate	ile)			
	d. 🔲	Reference to Sequence Listing, a Table, or a Computer Program Listing Appe	ndix			
	e. 🛚	Background of the Invention				
	f. 🗵	Brief Summary of the Invention				
	g. 🗵	Brief Description of the Drawings (if filed)				
	h. ⊠	Detailed Description				
	i. 🛛	Claim(s) as Classified Below				
	j. 🗵	, ,				
	, –					

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. DAE-0010

Total Pages in this Submission 81

Application Elements (Continued) 3. \(\sime\) Drawing(s) (when necessary as prescribed by 35 USC 113) Number of Sheets a. 🛛 Formal b. 🔲 Informal Number of Sheets ☑ Oath or Declaration Newly executed (original or copy) ☐ Unexecuted Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) b. 🔲 ☐ Without Power of Attorney c. 🛛 With Power of Attorney DELETION OF INVENTOR(S) d. 🗆 Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) 7. Application Data Sheet (See 37 CFR 1.76) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included) a. Computer Readable Form (CFR) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. D Paper c. Statement(s) Verifying Identical Paper and Computer Readable Copy **Accompanying Application Parts** 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(B) Statement (when there is an assignee) 11. English Translation Document (if applicable) 12. Information Disclosure Statement/PTO-1449 □ Copies of IDS Citations 13. Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Certificate of Mailing First Class

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. DAE-0010

Total Pages in this Submission 81

		Accompanying Application Parts (Continued)
17.	X	Applicant claims small entity status. See 37 CFR 1.27.
		☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:
18.	X	Additional Enclosures (please identify below):
		Claim for Priority
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
, 19.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. DAE-0010

Total Pages in this Submission 81

Fee Calculation and Transmittal

CLAIMS AS FILED Fee #Filed #Allowed #Extra Rate For \$0.00 \$9.00 **Total Claims** 12 - 20 = 0 х \$0.00 1 - 3 = 0 \$43.00 Indep. Claims \$0.00 Multiple Dependent Claims (check if applicable) \$385.00 **BASIC FEE** \$0.00 OTHER FEE (specify purpose) **TOTAL FILING FEE** \$385.00 \$385.00 A check in the amount of to cover the filing fee is enclosed. ☑ The Director is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below. as filing fee. ☐ Charge the amount of ☑ Credit any overpayment. □ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: October 6, 2003 Signature David A. Fox Reg. N . 38,807 Cantor Colburn LLP 55 Griffin Road South Blo mfield, CT 06002 PTO Cust mer No. 23413

CC:

(860) 286-2929

	ERTIFICATE OF MA oplicant(s): Kwang Ho Yo		S MAIL" (37 CFR 1.10)	Docket No. DAE-0010
I hereby certify that the following correspondence: Utility Patent Application Transmittal, Nonprovisional application, Twelve sheets of drawings, Executed Dec and Power of Attorney, Claim for Priority, Korean Patent Application No. 2003-0047052, Check-Filing Fee-S (SMALL ENTITY) and Postcard receipt (Identify type of correspondence) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 October 6, 2003 (Date) Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)		_		Group Art Unit
Utility Patent Application Transmittal, Nonprovisional application, Twelve sheets of drawings, Executed Dec and Power of Attorney, Claim for Priority, Korean Patent Application No. 2003-0047052, Check-Filing Fee-S (SMALL ENTITY) and Postcard receipt (Identify type of correspondence) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 October 6, 2003 (Date) Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)	vention: FREQUENCY C	ONVERTER USING MUL	TI-PHASE MIXER	_
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 October 6, 2003 (Date) Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)	Utility Patent Application 1 and Power of Attorney, Cla	Transmittal, Nonprovisiona im for Priority, Korean Pa		
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 October 6, 2003 (Date) Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)	SWALL ENTITY) and Fo		ne of correspondence)	
October 6, 2003 October 6, 2003 (Date) Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)	is heing denosited with the		•	Addressee" service under 3
October 6, 2003 (Date) Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)	-			
Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) (Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)	CFK 1.10 in an envelope a	addressed to. Commission	er for Paterits, F.O. Dox 1400, Alc	Adhana, VA 22010-14000
Tammie Lanthier (Typed or Printed Name of Person Mailing Correspondence) Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)				
(Typed or Printed Name of Person Mailing Correspondence) Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)		(Date)		
(Signature of Person Mailing Correspondence) EL988083293US ("Express Mail" Mailing Label Number)				
EL988083293US ("Express Mail" Mailing Label Number)			A A 1	and correspondence,
EL988083293US ("Express Mail" Mailing Label Number)			Giovatura of Ranca Mailing	Correspondence)
("Express Mail" Mailing Label Number)				-
Note: Each paper must have its own certificate of mailing.			("Express Mau" Mauing Li	ibel Number)
Note: Each paper must have its own certificate of mailing.				
Note: Each paper must have its own certificate of mailing.				
Note: Each paper must have its own certificate of mailing.				
		Note: Each paper must	have its own certificate of mailing.	